

ABSTRACT OF THE DISCLOSURE

A power source circuit for a cell and a cell pack are provided which are capable of operating them, when warnings of operation termination are displayed during use of a portable terminal device, 5 as an emergency operation, in such a case where operation time of the portable terminal device is shortened extremely due to degradation in a discharge characteristic of the cell or due to a voltage drop occurring when the cell is used in a low temperature 10 state. The portable terminal device is operated in a manner that a voltage output from the cell power source circuit is made higher than its operation lower limit voltage when a discharge voltage of the cell becomes lower than its operation lower limit voltage and, as a factor for detecting termination of discharge, the 15 discharge termination is detected according to an amount of voltage drop in the cell per unit time.